

## NEWSLETTER 1

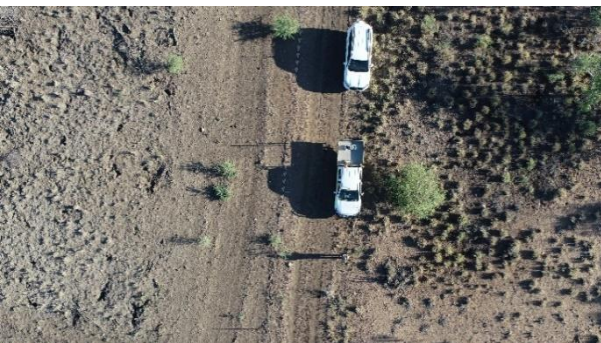
### Richmond – Julia Creek Vanadium Project September 2023

Richmond Vanadium Technology Limited (RVT) is an ASX-listed Australian minerals exploration company advancing its vanadium project in Queensland's North-West Minerals Province. RVT is the 100% owner and developer of the Richmond – Julia Creek Vanadium Project (the Project), with our primary project area around 45km northwest of Richmond.

Exploration in the area has largely finished and a Pre-Feasibility Study completed in 2021 determined an opportunity to develop and produce vanadium concentrate (used in the steel and battery manufacturing industries). We are now working through the environmental approvals process and completing the more detailed Bankable Feasibility Study to progress the Project further.

The Richmond – Julia Creek Vanadium Project will be an open-cut vanadium mine, using progressive or sequential mining techniques at depths of around 1 to 25 metres. RVT aims to extract 4.2 million tonnes per annum run of mine ore that will then be processed on site to produce up to 790,000 tonnes per annum of 1.82% vanadium pentoxide concentrate over a 25-year initial life of mine.

Following completion of the studies and issuing of the relevant approvals we would aim for construction to commence in 2025, with operations commencing in 2026. An overview of the Project timeline is outlined in Figure 1.



The Project has a number of key infrastructure and water needs which will be determined during the ongoing environmental and feasibility studies.

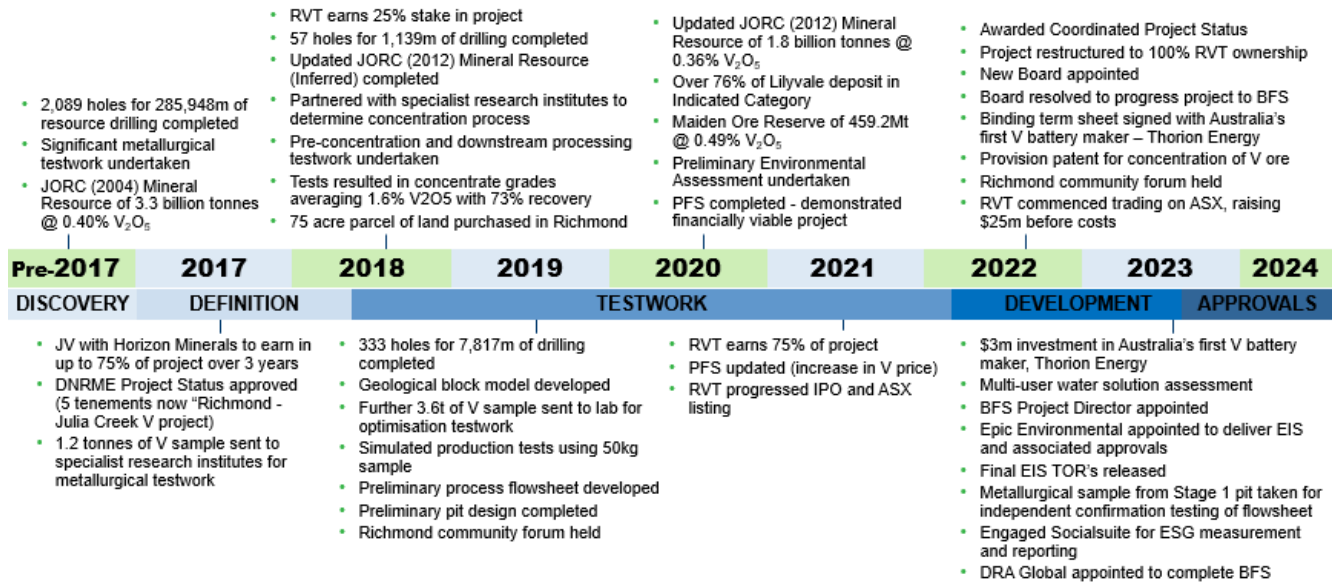
At this stage, we anticipate key infrastructure may include:

- Open cut pit/s
- Internal haul roads
- Mine Infrastructure such as:
  - Waste rock dump
  - Water or tailings storage dam
- Processing Infrastructure such as:
  - Ore pad and stockpiles
  - Mining contractor facilities
  - Power station
  - Fuel facilities
  - Administration office, ablutions and laboratory
  - Sewage and wastewater treatment facilities
  - Raw and process water dams
  - Blending or conditioning tank, filtration, thickeners, concentrate stockpile
  - Truck loadout facility

It is estimated the Project may require 2 – 3 gigalitres of water per annum for operations, most of which could be recycled on site. Water demand for the construction phase and operational power demands for the overall Project are still being determined.



Figure 1: Project Timeline – a systematic, stepped approach



### Approvals Process

RVT engaged specialist environmental consultant Epic Environmental to lead development of an Environmental Impact Statement (EIS) and assist with associated approvals leading to the issuing of an Environmental Authority and ultimately the grant of a mining lease. Epic has worked with RVT for more than 3 years and has a deep understanding of the project and local area.

The EIS will investigate the potential environmental, economic and social impacts of the Project. A Progressive Rehabilitation and Closure Plan is also required to outline how the land will be progressively rehabilitated through the various stages, as well as the proposed post mining land use. An Estimated Rehabilitation Cost also requires approval before mining can commence.

The Project has been declared a Coordinated Project and will be assessed under the *State Development and Public Works Organisation Act 1971*.

As part of the environmental approvals, a number of technical studies and field surveys will be undertaken looking at the potential impact a mine could have on:

- Traffic
- Social / community values
- Air quality
- Visual amenity
- Terrestrial and aquatic ecology
- Climate change risk
- Local economy
- Noise and Vibration
- Soil
- Cultural Heritage
- Hazards, health and safety

Some of these studies have commenced with details provided in this newsletter. You may see or be contacted by the Epic or RVT team as part of this process.



## Environmental Studies Update

Environmental studies seek to collect data to establish baseline conditions for the project site and surrounding areas.

### Surface Water & Groundwater

A surface water sampling program commenced in June 2023 and so far, two rounds of sampling have been completed at locations both upstream and downstream of the proposed site.

In July 2023, a groundwater monitoring network was installed on Lilyvale Station, with the first round of monitoring undertaken the same month. Groundwater data will continue to be collected throughout the approval process timeframe.



### Terrestrial Ecology

Epic's team of ecologists have worked in and around Richmond since 2021, developing their understanding of the habitat values of the region and project area.

So far, three terrestrial ecological surveys have been undertaken, including the most recent fauna survey in July this year. This field trip included trapping (and releasing!) small mammals and reptiles and observational bird surveys to determine the flora and fauna resident in the area.



### Noise and Vibration

An initial week-long noise monitoring program was completed in June 2023. Monitoring stations were deployed in three locations surrounding the project area, undertaking continuous 24/7 monitoring of ambient and extraneous noise conditions. The data collected will assist in developing regional baseline conditions for the project environment.

### Visual Amenity

The visual amenity assessment, which looks at the potential visual impacts of the project, was completed in July 2023. This assessment identified a number of viewpoints that are most likely to have line-of-sight to the project and comprised homesteads (classed as sensitive receptors) and publicly accessible points such as public roads. The information collected will enable us to develop a potential visual impact assessment over the coming months.

## Community Consultation & Social Impact Assessment

Since 2017, RVT and Epic have been on the ground in Richmond conducting work and meeting local landowners and stakeholders. Epic travelled to Richmond at the start of July 2023 to commence a more formal engagement process. This included meetings with Richmond Shire Council, landowners directly affected by RVTs activities and initial service providers.

Information collected from this, and future engagement, will form part of the Social Impact Assessment which is designed to identify, manage and monitor the social impacts of a project, both positive and negative. This includes impacts that may affect you or the Richmond community at all stages of the project such as continued engagement, workforce management, housing and accommodation, local business and industry procurement and health and community well-being.

Your engagement and information will assist RVT to develop measures to mitigate adverse impacts and enhance benefits to ensure that residents of communities near the project benefit from the construction and operation of any future mine.

Consultation will continue throughout, and RVT and Epic will engage with the community and stakeholders through consultation events, project newsletters such as this and FAQs.

## Bankable Feasibility study Update

The bankable feasibility study is running concurrent to the environmental approvals and being led by well-respected engineering consultants DRA Global and RVT's BFS Project Director, Peter Hedley.

A feasibility study is a detailed document that evaluates a project to determine whether the defined deposit (in this case vanadium) can be mined and processed economically. This includes all known geological, engineering, legal and operating data on the project, as well as the environmental and social factors.

This normally comes after the completion of a scoping study. A feasibility study is "bankable" if it has been prepared in enough detail and with enough objectivity that the company could submit it to investors or lenders when seeking financing for the project.

## Further information

If you would like to register as an interested stakeholder, please send your contact details to the email address below.

Local stakeholders can call 1800 185 442 if you have questions about the approvals process or engagement strategy.

Website: <https://richmondvanadium.com.au/>

Phone: 1800 185 442

Email: [ricvp@epicenvironmental.com.au](mailto:ricvp@epicenvironmental.com.au)

